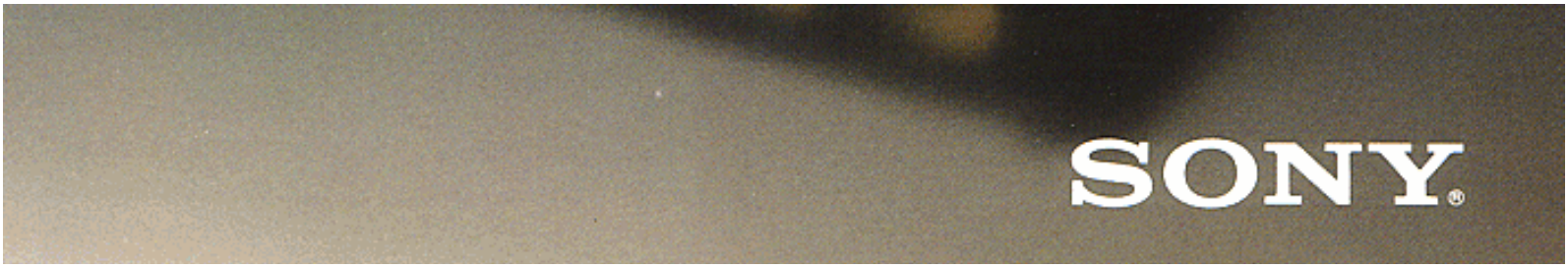
Stereo Cassette Recorder

# TC-D5PROII

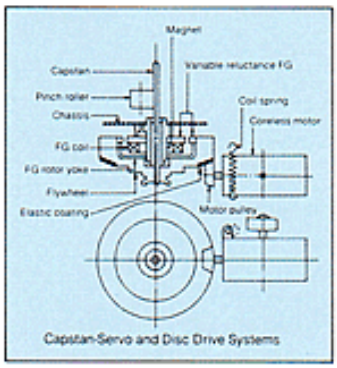



# So Compact, So Reliable, and So Sony

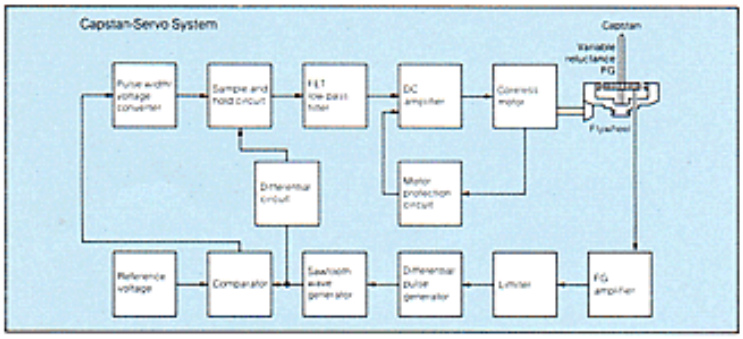
*A perfect blend of Sony's hi-fi technology and miniaturization mastery—The TC-D5 PROII provides stable, high performance and complete lightweight portability in rigorous field use. Measuring 242 × 48 × 168mm and weighing a mere 1.7 kg including batteries, it lets you slip onto the scene easily and come back with stereo sound of proven Sony quality. Provided with Cannon input connectors, it also allows direct interface with professional microphones.*

## Capstan-Servo Disc-Drive System

The disc-drive system brings the motor shaft into direct contact with the flywheel for rotating the capstan. The rotational speed of the capstan is precisely controlled by a servo circuit employing a frequency generator with highly dense 144 teeth. Featuring a coreless design, the motor is as small as an "AA" size battery but delivers strong torque. The excellence of this transport mechanism not only results in increased accuracy and stability but also contributes greatly to the exceptional compactness of the TC-D5 PROII.



Capstan-Servo and Disc Drive Systems




## External DC Input

With the use of an optional AC adaptor (AC-D468), the TC-D5 PROII can operate on AC. It also connects to a car battery via a car battery cord (DCC-127A).

## VU-Metering with Peak Indicator

In addition to large, easy-to-read VU meters, the TC-D5 PROII incorporates an LED peak indicator that illuminates at +7dB. For easy level setting in the dark, it also offers a convenient memory light facility. The touch of a switch illuminates the VU meters and at the same time, indicates

## Specifications

| | |
|---|---|
| Recording system: | 4-track 2-channel stereo |
| Fast winding time: | Approx. 150 sec. with Sony 60-minute cassette tape |
| Frequency response: (Dolby NR OFF) | FeCr cassette (TAPE SELECT: TYPE III) |
| | 40 – 16,000Hz ± 3dB (NAB) |
| | 40 – 16,000Hz (DIN) |
| | $CrO_2$ cassette (TAPE SELECT: TYPE II) |
| | 40 – 15,000Hz ± 3dB (NAB) |
| | 40 – 15,000Hz (DIN) |
| | Standard cassette (TAPE SELECT: TYPE I) |
| | 40 – 14,000Hz ± 3dB (NAB) |
| | 40 – 14,000Hz (DIN) |
| Signal-to-noise ratio: (Dolby NR OFF) | FeCr cassette |
| | 58dB at peak level (NAB) |
| | $CrO_2$ cassette |
| | 56dB at peak level (NAB) |
| | Standard cassette |
| | 55dB at peak level (NAB) |
| | *Improved by 6dB with Dolby NR ON. |
| Total harmonic distortion: | 0.9% ($CrO_2$ cassette) |
| Wow and flutter: | 0.06% (WRMS), ±0.17% (DIN) |
| Bias frequency: | 85kHz |
| Inputs: | MIC (Cannon XLR-3-31 type × 2) |
| | 0.28mV, balanced, for low-impedance microphone |
| | with Cannon XLR-3-12C type connector |
| Outputs: | LINE (Phono jack × 2) |
| | Output level 0.44V, less than 4.7k ohms |
| | HEADPHONES (Stereo phone jack × 1) |
| | 20mW + 20mW at 10% harmonic distortion, load |
| | impedance 8 ohms, for low-impedance headphones |
| Built-in speaker: | Approx. 5cm (2") dia., 200mW (at 10% harmonic distortion, DC operation) |
| Tape counter: | 3 digits, mechanical |
| Power requirements: | DC3V, two "D" size (IEC designation R20) batteries |
| | DC12V car battery with DCC-127A |
| | car battery cord (optional) |
| | AC110, 120, 220, 240V, 50/60Hz with |
| | AC-D468 AC adaptor (optional) |
| Battery life: | Approx. 4.5 hours with "D" size (LR20) alkaline batteries |
| | Approx. 2.5 hours with "D" size (R20) dry batteries |
| Dimensions: | 242(W) × 48(H) × 168(D)mm (9-5/8 × 1-15/16 × 6-5/8") |
| | including projecting parts and controls |
| Weight: | Approx. 1.7 kg (3 lb 12 oz) with batteries |
| Supplied accessories: | Connecting cord ..... 1 |
| | Carrying case and shoulder strap ..... 1 set |
| | Belt ..... 1 set |

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*Design and specifications subject to change without notice.

a convenient memory light facility. The touch of a switch illuminates the VU meters and at the same time, indicates the battery condition on the L-channel meter. Lights automatically shut off after about 10 seconds to save batteries.

## Limiter and Mic Attenuator

The record-level limiter eliminates clipping, whereas the microphone attenuator suppresses excess signal levels by 20dB to prevent distortion.

## Dolby NR System

The Dolby B noise reduction system is incorporated.

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Sony Corporation
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